

21700 Maximum battery charging current





Overview

What is the voltage of a 21700 battery?

The voltage of a 21700 battery typically varies between 3.6V to 3.7V when it's in use. However, the voltage will fluctuate depending on its state of charge: Full Charge: The voltage will be around 4.2V. Nominal Voltage: The 3.7V is the average voltage at which most of the battery's charge is used.

What is the capacity of 21700 mAh battery?

Fenix ARB-L21-5000mAh is a 21700 Lithium Ion Rechargeable Battery with a capacity of 5000mAh and a voltage of 3.6V. Its charge current rate is recommended at 1A and has a maximum of 5A. The dimensions are: Length: 2.99" (76mm), Diameter: 0.85" (21.5mm), and Weight: 72.5g (2.56 Oz). It offers 500 recharge cycles, protection against over charge, over discharge, short circuit, and over heating, and comes with a 12-month warranty.

What is the difference between a 21700 and a 2170 battery?

The 21700 is physically larger than an 18650 battery, and AA/AAA batteries. 2170s may have a voltage range between 2.5 volts and 4.2 volts, or a charging voltage of 4.2 volts, but the nominal voltage of a standard 21700 is 3.7 volts, just like the 18650s batteries. There are two types; protected and unprotected.

How much power does a 21700 battery store?

A 21700 battery has a 3Ah to 5Ah storage capacity, depending on the model, with a charging voltage of 3.7V and 4.2V. The max capacity is typically 15 to 20 watt-hours. For example, a typical air conditioner uses 9000 BTU, about 1100 Wh.



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What is the Maximum Charging Current for 21700?

Aug 5, 2024 · The maximum charging current for a 21700 battery can vary depending on the battery's capacity and specific model. As a general guideline, charging at 1C is considered a ...

21700 Battery Features, Types, Dimensions,

Jun 9, 2025 · Lithium-ion 21700 batteries are part of high-drain devices that provide a voltage range of 3.6 to 3.7 volts and are used where constant ...

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NCR21700datasheet

Dec 26, 2024 · NCR21700 data sheet Automotive & Industrial Systems Company of Panasonic Group

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Lithium Ion Rechargeable Battery Technical Information

Feb 28, 2019 · * Standard Charge Condition Charge Method : constant current constant voltage Charge Up Voltage : $4.2 \pm 0.05V$ Charge Current : 4.0A Charge Time : 2.5h Ambient ...

ANSMANN Li-Ion battery 21700 5000 mAh with USB ...

Nov 12, 2025 · Features High quality ANSMANN Lithium battery 21700 with safety board and integrated USB type C charging socket. The charging current is limited internally to max. 1A.

What Are the Key Specifications of the 21700 Cell?

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INR21700P42A-V3-80092

Sep 4, 2019 · Charge: Constant Current-Constant Voltage, 4.2A, 4.2V, 50mA Discharge: Constant Current, 10A, 20A, Cut off at 2.5V, Rest 10min after 10A, Rest 30min after 20A Temperature: ...

Product Specifications Document No: 50/352

Jun 7, 2021 · 1. Scope This document sheet is prepared to specify the technical parameters of the Li Ion cell model 21700 - 5000mah supplied under AMS Batteries.

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